

Amendments to the Abstract of the Invention

A blood pressure cuff including an ~~elongate,~~
inflatable bladder disposed between an elastic, resilient
inner layer of material and at least one outer layer of
material. The bladder is secured to these layers along the
elongate ends but not along the elongate edges. The
bladder is not laterally constrained during inflation ~~and~~
~~can readily conform to a subject's limb.~~ Preferably the
The cuff is formed into a cylindrical shape having a fixed
outer diameter ~~selected to accommodate an upper limit of~~
~~arm circumference within the cuff.~~ The cuff ~~may include~~
and includes a ~~stiff~~ backing layer and ~~means~~ apparatus for
securing the bladder to a layer of the cuff to hold the
bladder in place during donning of the cuff ~~by a subject.~~
Because the bladder is not constrained along its contact-
width edges, the shape of the bladder automatically adjusts
to provide a longer contact surface for larger arms and a
shorter contact surface for smaller arms, ~~making the cuff~~
~~useful over a much wider range of arm sizes than can be~~
~~accommodated by any single prior art closed cuff.~~ A The
cuff ~~in accordance with the invention~~ is especially suited
~~to~~ for use as a closed cuff in an automated blood pressure
measurement machine or in stand-alone measurement use.